Gulf of Mexico Harmful Algal Bloom Bulletin

Region: Texas

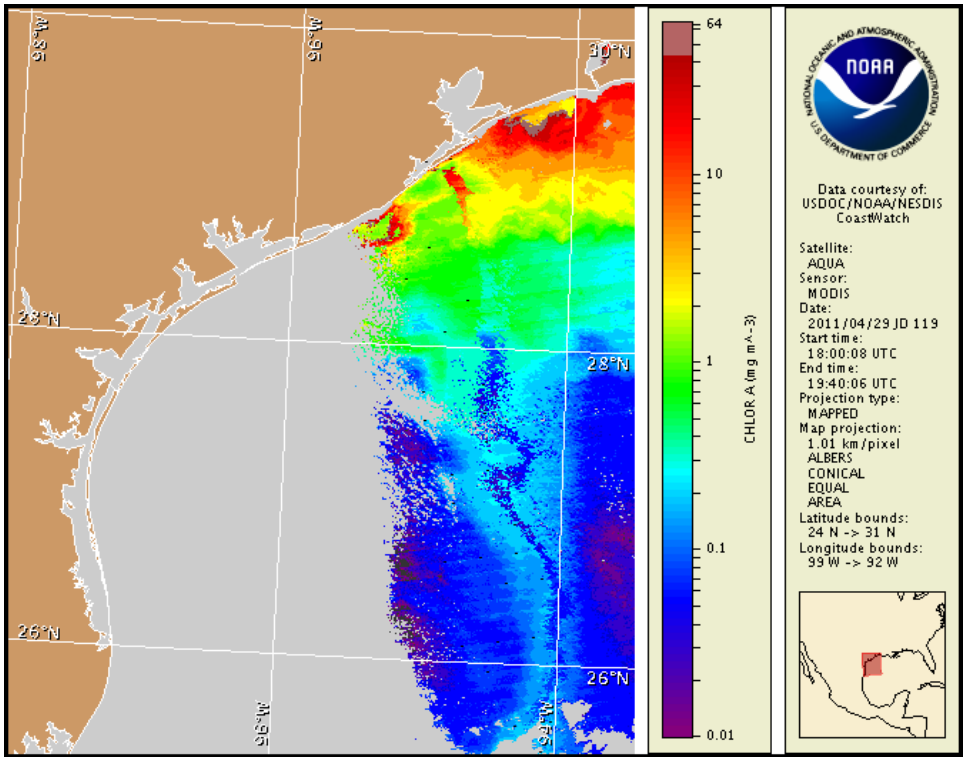
Monday, 02 May 2011

NOAA Ocean Service

NOAA Satellite and Information Service

NOAA National Weather Service

Last bulletin: Monday, April 25, 2011



Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from April 24 to 28 shown as red (high), orange (medium), yellow (low b), brown (low a), blue(very low b), purple (very low a), pink (present), and green (not present). For a list of cell count data providers and a key to the cell concentration categories, please see the HAB-OFS bulletin guide:

http://tidesandcurrents.noaa.gov/hab/habfs_bulletin_guide.pdf

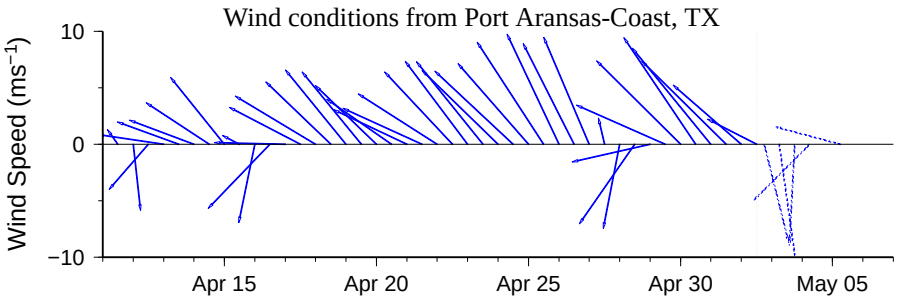
Conditions Report

There is currently no indication of a harmful algal bloom at the coast in Texas. No impacts are expected alongshore Texas today through Sunday, May 8.

Analysis

There is currently no indication of a harmful algal bloom along the coast of Texas. Recent imagery is almost completely obscured by clouds along the Texas coastline south of the Matagorda Bay area. Elevated (2 to <10 μg/L) chlorophyll is visible in MODIS imagery (4/29) along the coast from Sabine Pass to the Matagorda Bay area. Patches of high to significant levels (10 to >20 μg/L) of chlorophyll are also present alongshore and offshore the Galveston Bay and Freeport areas. Elevated chlorophyll present at the coast is likely due to the resuspension of benthic chlorophyll and sediments and not related to a harmful algal bloom. Forecast models indicate a maximum transport of 70 km south along the coast from Port Aransas from April 29 to May 5.

Kavanaugh, Derner

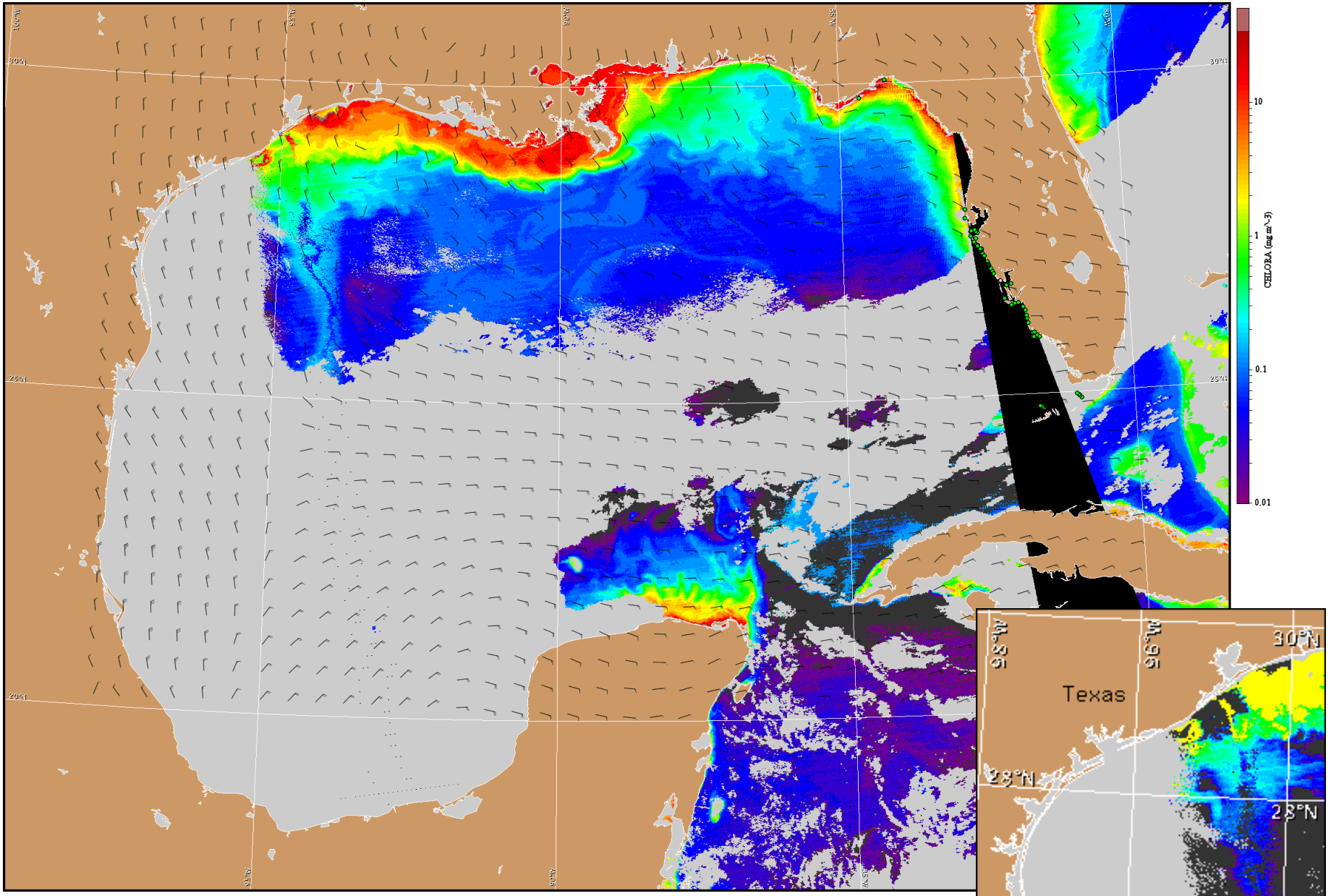


Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts. Wind observation and forecast data provided by NOAA's National Weather Service (NWS).

Wind Analysis

Port Aransas: Northeast to north winds (10-25 kn, 5-13 m/s) today through Tuesday evening. East to southeast winds (10-20 kn, 5-10 m/s) Wednesday through Friday.

To see previous bulletins and forecasts for other Harmful Algal Bloom Bulletin regions, visit the NOAA Harmful Algal Bloom Operational Forecast System bulletin archive: http://tidesandcurrents.noaa.gov/hab/bulletins.html



Satellite chlorophyll image and forecast winds for May 3, 2011 06Z with cell concentration sampling data from April 24 to 28 shown as red (high), orange (medium), yellow (low b), brown (low a), blue(very low b), purple (very low a), pink (present), and green (not present). For a list of cell count data providers and a key to the cell concentration categories, please see the HAB-OFS bulletin guide:
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Verified and suspected HAB areas shown in red. Other areas of high chlorophyll concentration shown in yellow (see p. 1 analysis for interpretation).